

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
4	1	1234	692
4	3	1712	2278
4	4	3703	3032
4	14	13073	12585
5	2	2539	1601
5	3	1532	1771
5	7	4741	4550
5	9	7939	6422
5	12	8711	8547
6	4	2359	1982
8	1	349	176
11	8	5144	5983
11	9	5968	6498
11	10	6472	6284
11	16	10954	11271
12	5	5352	4942
12	6	4596	4862

Table 3

15	3	1895	1650	
+-----+	+-----+	+-----+	+-----+	+
16	10	11263	10835	
+-----+	+-----+	+-----+	+-----+	+
18	2	1093	917	
+-----+	+-----+	+-----+	+-----+	+
20	9	9125	7764	
+-----+	+-----+	+-----+	+-----+	+
20	10	8571	8230	
+-----+	+-----+	+-----+	+-----+	+
20	12	9201	8803	
+-----+	+-----+	+-----+	+-----+	+
20	13	12158	10470	
+-----+	+-----+	+-----+	+-----+	+
23	1	674	339	
+-----+	+-----+	+-----+	+-----+	+
23	6	6138	5485	
+-----+	+-----+	+-----+	+-----+	+
23	8	6376	5942	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
23	9	7651	6881
23	15	12618	12830
24	4	4556	4185
24	6	5642	5241
25	2	1824	2400
31	2	505	849
31	3	1177	1524
31	4	2454	3005
32	2	765	1388
32	9	7952	8575
32	10	8591	8728
32	11	9738	9379
32	12	10797	10087
34	2	1315	1049
36	7	5226	5801
36	11	7575	7261
36	12	7424	7621

Table 3

37   4   3158   2964
+-----+
38   2   1585   980
+-----+
38   11   6425   6868
+-----+
38   20   16982   16371
+-----+
38   26   20253   20804
+-----+
38   27   20722   21264
+-----+
39   1   1   627
+-----+
40   1   805   404
+-----+
43   1   796   428
+-----+
44   4   2674   2324
+-----+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Config	ORF	Start	Stop
ID	ID	(nt)	(nt)
44	5	2484	3263
44	14	10587	10129
44	20	13724	13536
44	21	13596	13994
45	7	6575	6297
46	8	6365	6520
46	12	10449	10976
46	17	15032	15424
47	1	288	1079
48	9	7620	7778
50	1	1612	962
50	2	1621	1316
51	1	738	370
51	5	2520	2245
53	1	442	287
53	7	6705	6319
54	7	9014	8709

Table 3

55	1	592	326	
+-----+	+-----+	+-----+	+-----+	+
55	3	1052	786	
+-----+	+-----+	+-----+	+-----+	+
56	1	1	261	
+-----+	+-----+	+-----+	+-----+	+
56	3	1551	1228	
+-----+	+-----+	+-----+	+-----+	+
56	4	1970	1560	
+-----+	+-----+	+-----+	+-----+	+
56	17	19092	18712	
+-----+	+-----+	+-----+	+-----+	+
57	4	3694	3521	
+-----+	+-----+	+-----+	+-----+	+
57	8	5436	5822	
+-----+	+-----+	+-----+	+-----+	+
58	9	8885	8553	
+-----+	+-----+	+-----+	+-----+	+
59	3	1366	1509	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
59	6	3026	2802
59	7	3770	3570
59	9	4946	4563
59	11	7518	8378
59	13	1401	16403
62	2	2696	1521
62	11	5440	5757
63	1	1	336
67	1	900	1781
67	2	1774	2610
67	3	2591	3904
67	8	7110	6955
68	1	78	326
70	6	6761	5199
70	11	8935	8645
77	3	1590	1192
79	2	1509	1228

Table 3

79	3	1411	1791	
+	+	+	+	+
83	1	2	403	
+	+	+	+	+
85	9	8300	8653	
+	+	+	+	+
85	10	8969	8781	
+	+	+	+	+
86	3	1426	1232	
+	+	+	+	+
87	8	9187	9366	
+	+	+	+	+
88	3	1620	1922	
+	+	+	+	+
89	1	3	161	
+	+	+	+	+
89	7	5042	4878	
+	+	+	+	+
91	1	1098	550	
+	+	+	+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop	
ID	ID	(nt)	(nt)	
91	3	3938	3141	
92	2	449	928	
92	3	1958	1467	
92	9	5638	6024	
94	1	661	332	
94	3	2445	1813	
94	4	2583	2197	
96	11	10601	11050	
99	6	4672	4523	
99	7	5014	4784	
100	8	7658	7287	
102	7	4697	4368	
103	3	2496	2035	
104	1	2	694	
104	2	699	1277	
105	1	1235	693	
105	3	3233	2655	

Table 3

106	1	3	221	
+	+	+	+	+
106	3	1209	1355	
+	+	+	+	+
107	1	1081	542	
+	+	+	+	+
109	4	4025	3651	
+	+	+	+	+
109	13	11625	11996	
+	+	+	+	+
109	14	11981	12268	
+	+	+	+	+
109	20	17401	17688	
+	+	+	+	+
110	1	2	760	
+	+	+	+	+
114	10	8764	9384	
+	+	+	+	+
116	1	1	309	
+	+	+	+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
116	3	6273	4462
116	8	11049	9976
116	9	10313	10158
120	5	3703	3320
120	6	4270	3869
120	13	9290	9844
121	2	417	569
126	3	1090	818
127	3	2648	3196
127	5	4084	4395
131	6	6773	6438
132	2	715	1695
134	1	2	667
135	2	512	258
135	3	1124	729
138	1	3	152
138	7	6008	6463

Table 3

	140		1		2060		1032	
+	-----	+	-----	+	-----	+	-----	+
	140		2		2019		1513	
+	-----	+	-----	+	-----	+	-----	+
	140		5		2387		2743	
+	-----	+	-----	+	-----	+	-----	+
	142		2		1306		2388	
+	-----	+	-----	+	-----	+	-----	+
	142		7		8830		7586	
+	-----	+	-----	+	-----	+	-----	+
	143		7		7290		6502	
+	-----	+	-----	+	-----	+	-----	+
	144		1		1227		640	
+	-----	+	-----	+	-----	+	-----	+
	146		1		2		511	
+	-----	+	-----	+	-----	+	-----	+
	146		3		502		1350	
+	-----	+	-----	+	-----	+	-----	+
	146		4		3673		2540	
+	-----	+	-----	+	-----	+	-----	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
146	5	2874	3071
147	1	1	339
149	11	3956	3615
149	12	4036	3785
149	13	4507	4145
149	15	4807	4610
149	16	5495	5049
149	18	5739	5491
149	21	7416	7054
149	23	9216	8521
149	24	9681	9106
149	25	10679	9897
150	2	2303	1587
154	3	1795	1508
154	8	6586	6398
154	14	12704	12147
154	15	13531	12803

Table 3

156	1	315	593	
+-----+		+-----+		+-----+
157	3	1183	2232	
+-----+		+-----+		+-----+
158	2	1471	1064	
+-----+		+-----+		+-----+
159	3	452	808	
+-----+		+-----+		+-----+
161	2	876	1808	
+-----+		+-----+		+-----+
161	6	4653	4279	
+-----+		+-----+		+-----+
161	7	4803	4540	
+-----+		+-----+		+-----+
161	8	4896	4717	
+-----+		+-----+		+-----+
161	11	5817	5638	
+-----+		+-----+		+-----+
163	2	1604	840	
+-----+		+-----+		+-----+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
163	5	2796	2344
163	7	2952	2647
163	9	4905	5132
164	3	1338	1147
166	3	5213	4854
168	4	2500	2868
168	5	3595	4158
170	3	2517	2777
171	2	2277	1450
171	11	12576	11125
172	1	3	278
172	2	1940	1149
173	1	1289	708
173	5	7001	6114
174	2	593	1105
175	3	2552	2890
175	5	3820	3335

Table 3

175	7	4342	4506	
+-----+	+-----+	+-----+	+-----+	+
182	4	5477	4986	
+-----+	+-----+	+-----+	+-----+	+
184	5	6043	5702	
+-----+	+-----+	+-----+	+-----+	+
188	2	1210	1755	
+-----+	+-----+	+-----+	+-----+	+
188	4	2647	2994	
+-----+	+-----+	+-----+	+-----+	+
189	6	2614	3039	
+-----+	+-----+	+-----+	+-----+	+
190	3	1998	2564	
+-----+	+-----+	+-----+	+-----+	+
191	1	1	153	
+-----+	+-----+	+-----+	+-----+	+
191	2	950	669	
+-----+	+-----+	+-----+	+-----+	+
191	10	11786	13039	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
191	11	12902	12363
192	1	91	426
195	3	2306	1932
195	5	2899	2606
198	2	1016	1591
201	1	170	625
203	2	783	1466
206	6	8930	7815
206	12	13947	13636
206	21	28208	27960
212	2	170	817
212	3	796	1167
212	7	3128	3436
212	9	3749	4075
213	1	1	705
214	2	1076	570
24	6	4064	3738

Table 3

214	9	6600	6995	
+-----+		+-----+		+-----+
214	10	7864	7469	
+-----+		+-----+		+-----+
217	1	1927	965	
+-----+		+-----+		+-----+
218	1	178	657	
+-----+		+-----+		+-----+
218	3	1776	2156	
+-----+		+-----+		+-----+
220	2	1851	1369	
+-----+		+-----+		+-----+
220	3	3251	2262	
+-----+		+-----+		+-----+
20	7	8275	7208	
+-----+		+-----+		+-----+
220	8	10244	8661	
+-----+		+-----+		+-----+
220	9	11796	10216	
+-----+		+-----+		+-----+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
221	4	3095	2613
221	9	11428	10757
226	1	3	659
226	2	2196	1459
226	3	1476	1961
227	1	2	487
227	2	460	975
227	4	1855	2121
227	5	2052	2345
227	6	4760	3768
227	9	5591	6367
228	5	2503	2877
228	6	2846	3526
233	7	3944	3762
236	2	809	579
238	2	1975	1391
239	2	1417	905

Table 3

241	5	4495	4334	
+	+	+	+	+
242	2	1677	1363	
+	+	+	+	+
243	1	127	576	
+	+	+	+	+
244	1	1291	647	
+	+	+	+	+
244	2	3035	1962	
+	+	+	+	+
245	2	1614	1258	
+	+	+	+	+
246	1	69	215	
+	+	+	+	+
246	4	738	1733	
+	+	+	+	+
249	3	3906	3712	
+	+	+	+	+
250	1	494	249	
+	+	+	+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
254	1	1	156
256	2	956	1144
257	3	3700	3227
260	4	4906	4580
261	4	2196	2606
261	6	3214	3681
264	2	155	439
264	5	5252	4533
264	6	4739	5107
267	2	1323	931
268	4	5140	4700
272	1	862	461
272	3	1200	1439
272	9	4691	4909
272	10	6469	6035
276	4	1746	1901
278	1	224	553

Table 3

278	5	3299	3448	
+-----+	+-----+	+-----+	+-----+	+
278	7	4849	5127	
+-----+	+-----+	+-----+	+-----+	+
285	2	551	763	
+-----+	+-----+	+-----+	+-----+	+
288	3	1756	1950	
+-----+	+-----+	+-----+	+-----+	+
288	5	2055	2276	
+-----+	+-----+	+-----+	+-----+	+
289	1	2107	1055	
+-----+	+-----+	+-----+	+-----+	+
290	2	2234	1932	
+-----+	+-----+	+-----+	+-----+	+
291	2	332	622	
+-----+	+-----+	+-----+	+-----+	+
291	5	1545	2051	
+-----+	+-----+	+-----+	+-----+	+
295	3	1606	1349	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
295	4	2728	2141
295	5	2220	2762
297	2	788	465
298	1	2	205
300	2	2380	1928
301	7	2794	2624
304	1	3	194
306	1	109	654
306	5	4036	4257
307	1	674	339
307	8	3645	3995
308	1	1	654
308	2	1120	599
308	4	2643	2332
313	2	2314	1919
314	1	10	702
316	2	982	1341

Table 3

316	6	2758	3165	
+-----+	+-----+	+-----+	+-----+	+
317	1	2	1114	
+-----+	+-----+	+-----+	+-----+	+
317	3	4570	3458	
+-----+	+-----+	+-----+	+-----+	+
321	6	5645	5217	
+-----+	+-----+	+-----+	+-----+	+
321	7	6319	6140	
+-----+	+-----+	+-----+	+-----+	+
321	8	7450	6794	
+-----+	+-----+	+-----+	+-----+	+
322	2	827	543	
+-----+	+-----+	+-----+	+-----+	+
326	2	165	1112	
+-----+	+-----+	+-----+	+-----+	+
326	3	1117	1467	
+-----+	+-----+	+-----+	+-----+	+
328	1	936	469	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
328	5	3452	3276
329	1	3	719
329	2	781	1212
29	3	1471	1833
330	1	576	289
330	3	1447	1623
332	3	2353	2204
332	7	4971	5138
333	2	3295	3128
335	1	864	433
337	2	95	526
340	2	1658	1356
341	1	3	281
341	3	2476	3192
341	5	3618	3944
341	6	3929	4558
344	5	3197	2889

Table 3

345	1	1532	768	
+	+	+	+	+
346	2	221	592	
+	+	+	+	+
350	3	1410	1598	
+	+	+	+	+
352	2	2178	1765	
+	+	+	+	+
352	3	7316	4596	
+	+	+	+	+
352	7	7967	8404	
+	+	+	+	+
352	8	8906	9247	
+	+	+	+	+
352	9	10171	9854	
+	+	+	+	+
359	1	1	546	
+	+	+	+	+
362	1	3	656	
+	+	+	+	+

Table 3

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
364	2	2158	1808
364	8	10974	10714
365	2	1612	1313
365	5	4680	4090
365	7	4980	6239
366	3	520	1719
367	3	906	1085
368	1	748	494
375	1	2	136
380	3	1351	1097
389	1	1	276
390	1	2	877
390	2	1373	1549
391	2	751	560
395	1	391	197
396	1	2132	1068
398	3	1344	1141

Table 3

399	1	178	669	
+-----+	+-----+	+-----+	+-----+	+
401	3	566	847	
+-----+	+-----+	+-----+	+-----+	+
402	2	100	465	
+-----+	+-----+	+-----+	+-----+	+
404	8	5561	5370	
+-----+	+-----+	+-----+	+-----+	+
408	2	3507	2269	
+-----+	+-----+	+-----+	+-----+	+
408	3	2875	2672	
+-----+	+-----+	+-----+	+-----+	+
408	5	3524	4423	
+-----+	+-----+	+-----+	+-----+	+
410	3	2111	1890	
+-----+	+-----+	+-----+	+-----+	+
413	1	880	488	
+-----+	+-----+	+-----+	+-----+	+
416	1	607	320	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop	ID	ID	(nt)	(nt)
416	2	578	847				
416	3	2195	1590				
417	1	3	179				
417	2	161	616				
420	2	788	513				
422	2	357	677				
431	2	856	1047				
432	2	446	1084				
433	1	1	417				
433	3	2311	2033				
434	1	942	535				
434	2	2089	1235				
440	1	1	450				
442	2	1269	3320				
443	3	1873	1520				
444	1	1	696				
444	7	6761	6366				

Table 3

	451		1		940		614	
+	-----	+	-----	+	-----	+	-----	+
	453		2		896		636	
+	-----	+	-----	+	-----	+	-----	+
	453		8		3833		4786	
+	-----	+	-----	+	-----	+	-----	+
	453		9		4718		4512	
+	-----	+	-----	+	-----	+	-----	+
	453		10		4937		4731	
+	-----	+	-----	+	-----	+	-----	+
	455		1		434		219	
+	-----	+	-----	+	-----	+	-----	+
	455		2		472		930	
+	-----	+	-----	+	-----	+	-----	+
	459		1		265		687	
+	-----	+	-----	+	-----	+	-----	+
	462		1		2		247	
+	-----	+	-----	+	-----	+	-----	+
	466		2		1494		907	
+	-----	+	-----	+	-----	+	-----	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
467	1	654	349
468	1	2	250
469	1	1488	925
469	3	2386	3372
469	4	3464	3706
470	1	77	538
470	6	4098	3694
470	7	6330	5686
470	9	7351	8181
470	10	8175	9773
471	1	940	500
471	2	1562	1017
476	1	70	267
477	1	2	760
477	3	1764	2081
477	4	2066	2332
480	5	4016	4261

Table 3

481	2	956	480	
+-----+	+-----+	+-----+	+-----+	+
486	3	613	774	
+-----+	+-----+	+-----+	+-----+	+
487	6	1795	2112	
+-----+	+-----+	+-----+	+-----+	+
488	1	715	359	
+-----+	+-----+	+-----+	+-----+	+
492	1	127	675	
+-----+	+-----+	+-----+	+-----+	+
493	1	2	520	
+-----+	+-----+	+-----+	+-----+	+
493	2	496	1242	
+-----+	+-----+	+-----+	+-----+	+
502	3	1149	1571	
+-----+	+-----+	+-----+	+-----+	+
504	1	690	346	
+-----+	+-----+	+-----+	+-----+	+
505	5	4566	4150	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
511	2	1741	1232
512	2	583	747
515	1	609	812
517	4	2179	2511
520	4	2097	2360
520	6	3908	3669
527	1	1	498
528	1	637	335
529	2	1679	1104
530	7	5298	5534
536	1	308	156
538	1	1362	736
538	3	2203	2880
538	5	3531	3121
538	6	4348	3731
540	1	996	664
540	2	1495	1031

Table 3

541	1	89	433	
+	+	+	+	+
541	2	719	432	
+	+	+	+	+
542	2	1048	1272	
+	+	+	+	+
545	2	1012	734	
+	+	+	+	+
551	1	2145	1129	
+	+	+	+	+
555	2	892	704	
+	+	+	+	+
558	3	1357	1154	
+	+	+	+	+
558	4	1760	1458	
+	+	+	+	+
558	5	2105	1821	
+	+	+	+	+
558	6	2166	2020	
+	+	+	+	+

Table 3

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop	ID	ID (nt)	(nt)
558	7	2636	2322			
558	8	3053	2802			
558	9	3986	3453			
560	1	475	921			
565	3	1706	1485			
571	1	308	156			
571	3	994	1206			
577	1	2	199			
577	2	163	453			
579	1	1	477			
579	2	1784	1200			
583	1	1988	996			
585	1	946	539			
587	1	22	573			
588	2	1896	1372			
588	3	1742	1554			
590	1	47	334			

Table 3

592	2	1455	1141	
+-----+	+-----+	+-----+	+-----+	+
593	1	2	775	
+-----+	+-----+	+-----+	+-----+	+
593	2	817	1122	
+-----+	+-----+	+-----+	+-----+	+
595	1	87	890	
+-----+	+-----+	+-----+	+-----+	+
596	3	1593	1435	
+-----+	+-----+	+-----+	+-----+	+
602	1	8	169	
+-----+	+-----+	+-----+	+-----+	+
603	5	1071	1469	
+-----+	+-----+	+-----+	+-----+	+
606	1	322	768	
+-----+	+-----+	+-----+	+-----+	+
607	5	1444	1226	
+-----+	+-----+	+-----+	+-----+	+
610	1	1029	541	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
612	1	3	500
616	1	991	650
617	2	736	491
622	1	36	347
625	4	2046	2549
627	1	67	210
628	1	901	452
631	3	4789	4004
634	1	1448	759
636	1	189	368
636	2	1929	1063
637	2	2323	1994
638	1	227	1081
639	1	518	261
639	2	187	811
641	1	118	444
642	3	1615	1331

Table 3

642	4	2260	1847	
+	+	+	+	+
643	1	3	608	
+	+	+	+	+
645	4	1534	1758	
+	+	+	+	+
645	6	2025	2321	
+	+	+	+	+
645	7	2940	2488	
+	+	+	+	+
648	1	2	1045	
+	+	+	+	+
660	1	77	601	
+	+	+	+	+
660	2	576	872	
+	+	+	+	+
661	1	1725	961	
+	+	+	+	+
664	2	89	304	
+	+	+	+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
667	1	3	413
668	1	1	330
671	2	812	516
673	1	3	338
674	2	865	584
679	1	1	237
679	3	1589	1906
688	1	1236	835
688	2	1352	1077
694	1	3	143
696	2	818	432
706	1	367	224
709	3	1183	1449
711	1	3	908
715	1	3	167
716	1	2	637
721	1	133	570

Table 3

722	1	763	383	
+	+	+	+	+
723	1	1656	829	
+	+	+	+	+
723	2	1498	1112	
+	+	+	+	+
727	1	2	472	
+	+	+	+	+
729	1	268	441	
+	+	+	+	+
731	1	130	828	
+	+	+	+	+
735	1	2	214	
+	+	+	+	+
736	1	3	782	
+	+	+	+	+
738	1	2	298	
+	+	+	+	+
742	1	3	230	
+	+	+	+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
745	3	1148	780
748	2	282	464
749	1	685	344
751	1	901	452
755	1	97	522
755	2	520	918
758	2	663	400
764	2	1033	746
767	1	1	405
768	1	2	373
771	1	1058	534
778	1	1735	902
785	1	1790	1023
787	1	1260	631
791	1	3	224
799	1	15	260
804	1	304	711

Table 3

805	1	3	680	
+	+	+	+	+
808	1	219	842	
+	+	+	+	+
810	1	2221	1112	
+	+	+	+	+
810	2	1774	1442	
+	+	+	+	+
812	1	38	979	
+	+	+	+	+
817	1	714	358	
+	+	+	+	+
818	2	487	1104	
+	+	+	+	+
819	2	1529	1032	
+	+	+	+	+
819	3	1748	1419	
+	+	+	+	+
820	1	195	1064	
+	+	+	+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
828	1	506	255
829	1	48	800
830	1	578	291
832	1	594	298
835	1	320	796
840	3	491	1709
845	1	912	457
850	2	303	449
853	1	715	359
860	1	2	256
864	1	18	410
864	2	383	715
864	6	1676	1828
870	1	1	588
873	1	906	454
875	1	584	294
877	1	1661	1020

Table 3

878	1	981	544	
+	+	+	+	+
879	1	1567	785	
+	+	+	+	+
881	1	1	243	
+	+	+	+	+
882	1	389	604	
+	+	+	+	+
890	1	2	508	
+	+	+	+	+
905	1	793	398	
+	+	+	+	+
906	1	852	544	
+	+	+	+	+
912	1	373	188	
+	+	+	+	+
913	1	3	290	
+	+	+	+	+
913	2	1092	547	
+	+	+	+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
915	1	6	161
915	2	15	402
921	1	126	386
927	1	1578	808
928	1	2	385
929	1	2	400
932	1	2	400
934	1	1	384
936	1	1052	528
937	1	2	616
945	1	220	645
945	2	649	1242
946	1	1702	950
949	1	1	270
951	1	3	362
955	1	3	143
960	1	723	400

Table 3

963	1	1	162	
+-----+				+-----+
965	1	690	346	
+-----+				+-----+
966	1	1079	606	
+-----+				+-----+
969	1	3	302	
+-----+				+-----+
971	1	12	170	
+-----+				+-----+
974	1	319	161	
+-----+				+-----+
976	1	692	348	
+-----+				+-----+
977	1	2	211	
+-----+				+-----+
982	1	1926	982	
+-----+				+-----+
984	1	589	296	
+-----+				+-----+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
987	1	3	467
993	1	1	525
994	1	920	549
1004	1	557	318
1014	1	624	313
1015	1	2	463
1016	1	288	145
1019	1	1205	660
1022	1	839	474
1024	1	595	299
1024	2	276	431
1030	1	673	338
1032	1	355	179
1040	1	794	389
1043	1	3	269
1044	2	115	399
1047	1	1	159

Table 3

1051	1	704	354	
+-----+	+-----+	+-----+	+-----+	+
1051	2	1233	733	
+-----+	+-----+	+-----+	+-----+	+
1063	1	2	400	
+-----+	+-----+	+-----+	+-----+	+
1069	1	2	148	
+-----+	+-----+	+-----+	+-----+	+
1069	2	769	33	
+-----+	+-----+	+-----+	+-----+	+
1075	1	707	399	
+-----+	+-----+	+-----+	+-----+	+
1077	1	97	405	
+-----+	+-----+	+-----+	+-----+	+
1081	1	58	438	
+-----+	+-----+	+-----+	+-----+	+
1086	1	1	384	
+-----+	+-----+	+-----+	+-----+	+
1087	2	246	431	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
1088	1	3	374
1096	1	474	238
1098	1	1015	509
1100	1	1020	511
1100	2	1520	1158
1101	1	703	353
1102	1	385	194
1107	1	2	580
1114	1	3	422
1115	1	2	268
1119	1	22	267
1129	1	40	342
1132	1	360	181
1133	1	609	376
1144	1	446	225
1147	1	558	280
1153	1	1	153

Table 3

1154	1	3	818	
+-----+	+-----+	+-----+	+-----+	+
1159	1	1	330	
+-----+	+-----+	+-----+	+-----+	+
1161	1	341	186	
+-----+	+-----+	+-----+	+-----+	+
1164	1	427	254	
+-----+	+-----+	+-----+	+-----+	+
1171	1	19	240	
+-----+	+-----+	+-----+	+-----+	+
1171	2	108	299	
+-----+	+-----+	+-----+	+-----+	+
1183	1	2	379	
+-----+	+-----+	+-----+	+-----+	+
1195	1	355	179	
+-----+	+-----+	+-----+	+-----+	+
1196	1	1	189	
+-----+	+-----+	+-----+	+-----+	+
1200	1	33	197	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
1203	2	129	464
1222	2	105	401
1232	1	1	387
1240	1	2	175
1247	1	520	311
1271	1	412	221
1286	1	2	595
1295	1	1	165
1306	1	367	185
1314	2	158	631
1316	1	58	570
1359	1	384	193
1370	1	1	402
1371	1	1	345
1374	1	710	357
1378	1	2	400
1392	1	3	413

Table 3

	1411		1		202		432	
+	-----	+	-----	+	-----	+	-----	+
	1433		1		331		167	
+	-----	+	-----	+	-----	+	-----	+
	1450		1		2		256	
+	-----	+	-----	+	-----	+	-----	+
	1453		1		295		149	
+	-----	+	-----	+	-----	+	-----	+
	1471		1		1721		398	
+	-----	+	-----	+	-----	+	-----	+
	1477		1		869		639	
+	-----	+	-----	+	-----	+	-----	+
	1502		1		794		399	
+	-----	+	-----	+	-----	+	-----	+
	1518		1		126		449	
+	-----	+	-----	+	-----	+	-----	+
	1534		1		283		143	
+	-----	+	-----	+	-----	+	-----	+
	1546		1		3		401	
+	-----	+	-----	+	-----	+	-----	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
1547	1	506	255
1583	1	3	350
1587	1	3	563
1602	2	170	679
1629	1	1	402
1665	1	468	235
1760	1	625	314
1762	1	3	200
1876	2	119	286
1895	1	2	379
1931	1	798	400
1976	2	715	383
2055	2	252	401
2056	1	331	167
2150	1	523	263
2157	1	794	399
2164	1	564	283

Table 3

	2175	1	218	400	
+	-----	+	-----	+	-----
	2212	1	492	331	
+	-----	+	-----	+	-----
	2338	1	732	367	
+	-----	+	-----	+	-----
	2342	1	3	167	
+	-----	+	-----	+	-----
	2352	1	330	166	
+	-----	+	-----	+	-----
	2352	2	622	398	
+	-----	+	-----	+	-----
	2355	1	47	352	
+	-----	+	-----	+	-----
	2356	1	679	341	
+	-----	+	-----	+	-----
	2359	1	301	152	
+	-----	+	-----	+	-----
	2421	1	296	150	
+	-----	+	-----	+	-----

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop	ID	ID (nt)	(nt)
2422	1	569	686			
2443	1	427	263			
2454	1	3	158			
2463	1	504	253			
2485	1	3	374			
2557	1	488	246			
2575	1	2	355			
2582	1	3	284			
2607	1	1	294			
2930	1	17	400			
2939	1	466	242			
2944	1	3	359			
2945	2	701	399			
292	1	2	190			
2953	1	737	399			
2964	1	330	166			
2969	1	284	144			

Table 3

2977	1	2	373	
+	+	+	+	+
2981	2	501	334	
+	+	+	+	+
2986	1	7	279	
+	+	+	+	+
2991	1	608	363	
+	+	+	+	+
295	1	1	321	
+	+	+	+	+
3007	1	343	191	
+	+	+	+	+
3017	1	568	308	
+	+	+	+	+
3018	2	136	351	
+	+	+	+	+
3025	1	391	197	
+	+	+	+	+
3040	1	356	180	
+	+	+	+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop	ID	ID (nt)	(nt)
3046	1	367	185			
3049	1	553	278			
3050	1	3	314			
3052	1	504	253			
3065	1	2	157			
3070	1	357	190			
3075	1	440	222			
3080	1	1	285			
3092	1	320	162			
3093	1	411	250			
3100	1	52	237			
3103	1	47	298			
3118	1	344	174			
3123	1	2	145			
3127	1	1	147			
3138	1	336	169			
3142	1	388	203			

Table 3

	3144		1		664		386	
+	-----	+	-----	+	-----	+	-----	+
	3151		1		337		170	
+	-----	+	-----	+	-----	+	-----	+
	3155		2		202		384	
+	-----	+	-----	+	-----	+	-----	+
	3168		1		12		176	
+	-----	+	-----	+	-----	+	-----	+
	3205		1		288		145	
+	-----	+	-----	+	-----	+	-----	+
	3282		1		1		150	
+	-----	+	-----	+	-----	+	-----	+
	3303		2		239		400	
+	-----	+	-----	+	-----	+	-----	+
	3371		2		211		399	
+	-----	+	-----	+	-----	+	-----	+
	3558		1		2		148	
+	-----	+	-----	+	-----	+	-----	+
	3558		2		36		401	
+	-----	+	-----	+	-----	+	-----	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
3568	1	751	377
3595	1	757	380
3618	1	2	238
3618	2	130	402
3622	1	86	358
3622	2	664	398
3642	1	876	439
3649	1	781	398
3651	1	625	314
3664	1	467	637
3674	1	55	402
3677	1	619	311
3704	1	1	402
3726	1	535	269
3765	1	510	256
3779	1	554	357
3794	1	266	135

Table 3

3794	2	667	377	
+-----+	+-----+	+-----+	+-----+	+
3796	2	638	375	
+-----+	+-----+	+-----+	+-----+	+
3801	1	474	262	
+-----+	+-----+	+-----+	+-----+	+
3806	1	453	298	
+-----+	+-----+	+-----+	+-----+	+
3807	1	42	389	
+-----+	+-----+	+-----+	+-----+	+
3815	1	798	400	
+-----+	+-----+	+-----+	+-----+	+
3827	1	3	320	
+-----+	+-----+	+-----+	+-----+	+
3842	1	781	392	
+-----+	+-----+	+-----+	+-----+	+
3853	1	671	399	
+-----+	+-----+	+-----+	+-----+	+
3855	1	1	324	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
3857	1	2	235
3861	1	590	297
3865	1	695	399
3897	1	3	173
3897	2	143	400
3898	2	225	401
3921	2	103	342
3927	1	70	375
3930	1	76	234
3946	2	651	382
3951	2	105	377
3965	1	646	344
3973	1	795	400
3981	1	3	311
3998	1	3	356
4001	1	481	296
4003	1	90	335

Table 3

	4018		1		2		259	
+	-----	+	-----	+	-----	+	-----	+
	4018		2		186		401	
+	-----	+	-----	+	-----	+	-----	+
	4021		1		1		345	
+	-----	+	-----	+	-----	+	-----	+
	4043		1		3		344	
+	-----	+	-----	+	-----	+	-----	+
	4054		1		3		344	
+	-----	+	-----	+	-----	+	-----	+
	4066		1		1		150	
+	-----	+	-----	+	-----	+	-----	+
	4070		1		1		324	
+	-----	+	-----	+	-----	+	-----	+
	4072		2		187		390	
+	-----	+	-----	+	-----	+	-----	+
	4073		1		1		285	
+	-----	+	-----	+	-----	+	-----	+
	4077		2		127		372	
+	-----	+	-----	+	-----	+	-----	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop	ID	ID	(nt)	(nt)
483	1	3	359				
4090	1	27	368				
4101	1	103	297				
4105	1	1	306				
4107	1	570	286				
4119	1	629	339				
4121	1	740	372				
4123	1	3	230				
4127	1	3	341				
4128	1	2	331				
4130	1	768	415				
4146	1	97	381				
4157	1	3	206				
4186	1	505	254				
4224	1	510	256				
4239	1	1	348				
4242	1	09	356				

Table 3

4252	1	589	296	
+-----+	+-----+	+-----+	+-----+	+
4253	1	1	174	
+-----+	+-----+	+-----+	+-----+	+
4256	1	568	323	
+-----+	+-----+	+-----+	+-----+	+
4258	2	498	334	
+-----+	+-----+	+-----+	+-----+	+
4267	1	284	144	
+-----+	+-----+	+-----+	+-----+	+
4271	1	2	304	
+-----+	+-----+	+-----+	+-----+	+
4287	1	303	163	
+-----+	+-----+	+-----+	+-----+	+
4289	1	71	319	
+-----+	+-----+	+-----+	+-----+	+
4302	1	153	305	
+-----+	+-----+	+-----+	+-----+	+
4304	1	1	186	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus- Putative coding regions of novel proteins not similar toknown proteins

Contig	ORF	Start	Stop
ID	ID	(nt)	(nt)
4304	2	96	314
4306	1	2	151
4318	1	576	289
4322	1	5	148
4331	1	439	221
4331	2	528	364
4338	1	728	399
4346	1	471	277
4367	2	117	311
4373	1	2	268
4381	1	574	326
4384	1	614	309
4397	1	9	311
4402	1	1	249
4403	1	606	328
4406	1	3	317
4411	1	2	280

Table 3

4411	2	697	398	
+-----+	+-----+	+-----+	+-----+	+
4412	1	2	364	
+-----+	+-----+	+-----+	+-----+	+
4418	1	3	230	
+-----+	+-----+	+-----+	+-----+	+
4424	1	601	398	
+-----+	+-----+	+-----+	+-----+	+
4443	1	427	215	
+-----+	+-----+	+-----+	+-----+	+
4471	1	643	323	
+-----+	+-----+	+-----+	+-----+	+
4478	1	540	271	
+-----+	+-----+	+-----+	+-----+	+
4482	1	50	289	
+-----+	+-----+	+-----+	+-----+	+
4489	1	601	302	
+-----+	+-----+	+-----+	+-----+	+
4491	1	12	206	
+-----+	+-----+	+-----+	+-----+	+

**Table 3**

S. aureus - Putative coding regions of novel proteins not similar to known proteins

Contig	ORF	Start	Stop	ID	ID	(nt)	(nt)
4495	1	3	179				
4496	1	500	252				
4500	1	130	306				
4511	1	493	248				
4518	1	1	246				
4526	1	480	241				
4527	1	2	163				
4532	1	3	239				
4542	1	11	175				
4567	1	36	200				
4573	1	1	231				
4578	1	642	322				
4619	1	1	180				
4620	1	349	176				
4662	1	1	246				
4669	1	2	157				
4680	1	28	183				

Table 3

	4690		1		344		174	
+	-----	+	-----	+	-----	+	-----	+

**Table 3**